

ABSTRACT OF THE DISCLOSURE

A hull form is presented and dimensioned where the design parameters consist principally of the breadth of the hull at the waterline, taken at specific equal intervals (stations) along the length of the waterline. The waterline reference is that at which the vessel is intended to float in the loaded condition. The waterline breadths describe the entrance or bow of the vessel. The closing run or stern of the vessel is not specifically delineated as a feature of the entrance or related to it. The invention defines two parts of the vessel, the entrance and the run, as discrete segments, each having its own properties and advantages. The entrance of the vessel is concerned with wave-making and the creating of a wave front that opposes vessel forward motion. The invention describes a method of optimizing the entrance of a vessel, and modifying the entrance of an existing vessel to minimize wave-making characteristics.